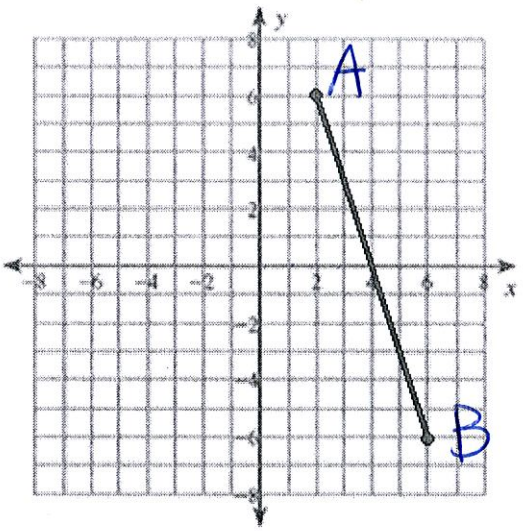
Name:_____ Date:_____ Period:____

Square Roots, Distance and Midpoint Quiz

Between what two consecutive integers is each square root? (2 points)	
$\sqrt{150}$ 12 & 13	$\sqrt{70}$ 8 & 9

Simplify each square root. NO CALCULATOR! (3 points)		
$\sqrt{196} = 14$	$\sqrt{\frac{49}{81}} = \frac{7}{9}$	$-\sqrt{100} = -10$

Use a calculator to find each square root. Round to the nearest hundredth. (2 points)	
$\sqrt{133} \approx 11.53$	$\sqrt{1,590} \approx 39.87$

Midpoint Formula:	Distance Formula:
Label the coordinates for points A and B. A: (2, 6) B: (6, -6)	

Choose to find the **midpoint** OR the **distance** of the line segment. Be sure to BOX your final coordinates. If you chose the midpoint, PLOT the midpoint on the coordinate plane.

$\left(\frac{6+2}{2}, \frac{6-6}{2}\right)$

$\left(\frac{8}{2}, \frac{0}{2}\right)$

$\boxed{(4, 0)}$

$\sqrt{(6-2)^2 + (-6-6)^2}$

$\sqrt{4^2 + 12^2}$

$\sqrt{16 + 144}$

$\sqrt{16} \approx \boxed{12.65}$